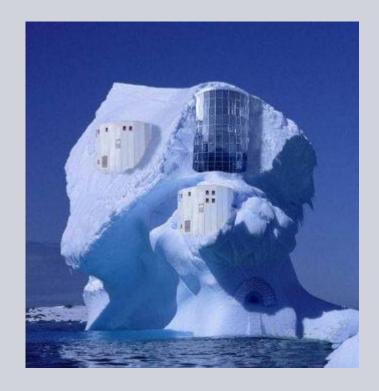


Knowledge Fusion Interactive
Class Editor (ICE)
Enhancements in NX6

Palwinder Singh Raymond Kok

Monday, June 2nd, 2008 UGS Connection Conference





NX 6 Projects Update

ICE Application Packaging



ICE Documentation Generation

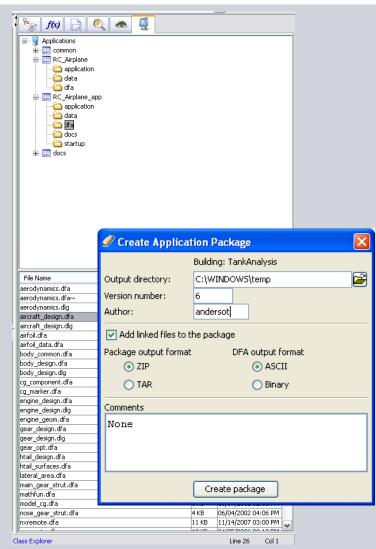


ICE Coding Checkers





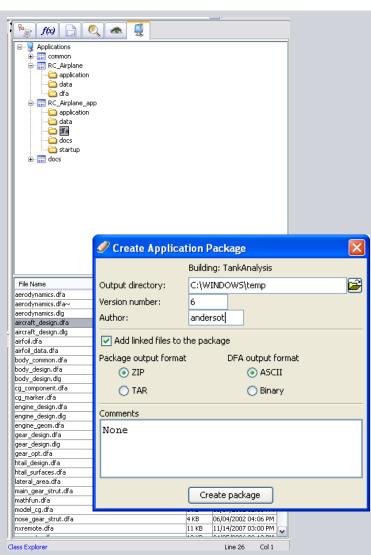
- Application Explorer
 - Allows creating new KF applications (complete folder structure)
 - Zipped Applications can be opened in Application explorer



© 2008. Siemens Product Lifecycle Management Software Inc. All rights reserved



- Packages can be modified
- Files can be added/modified/removed from the application
- Drag-drop files



© 2008. Siemens Product Lifecycle Management Software Inc. All rights reserved

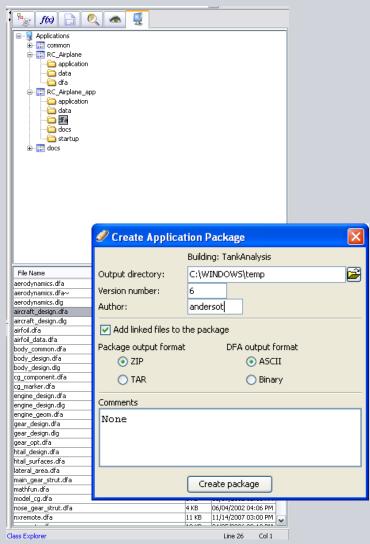


 Integrated Image Viewer – double click action on images





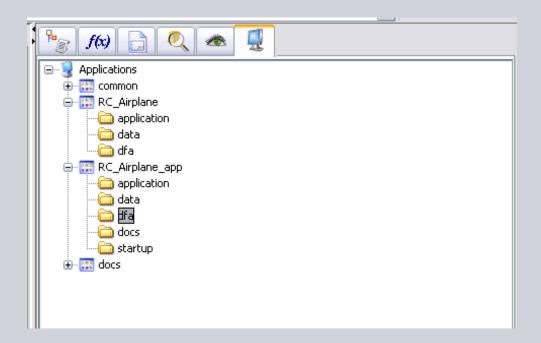
 On completion of KF application development, authors can create deployment-ready package using a single click



© 2008. Siemens Product Lifecycle Management Software Inc. All rights reserved



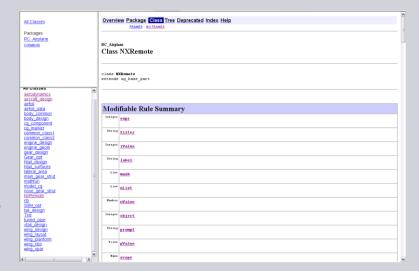
Demo application packaging





ICE Automatic Document Generation

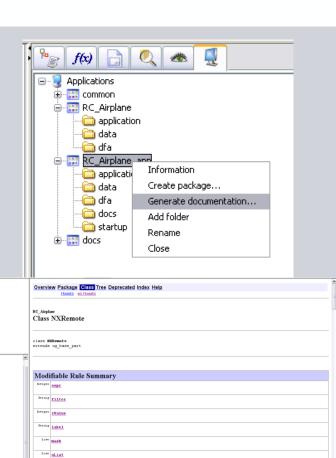
- New Tags introduced
 - Detailed Comments #. And .#
 - @param
 - @return
- Documentation lists summary and details for
 - Parameter
 - Modifiable Rules
 - Method and Functions





ICE Automatic Document Generation

- HTML Class Documentation can be generated for the whole application in one click
- Documentation is based on the same principles as other automation languages

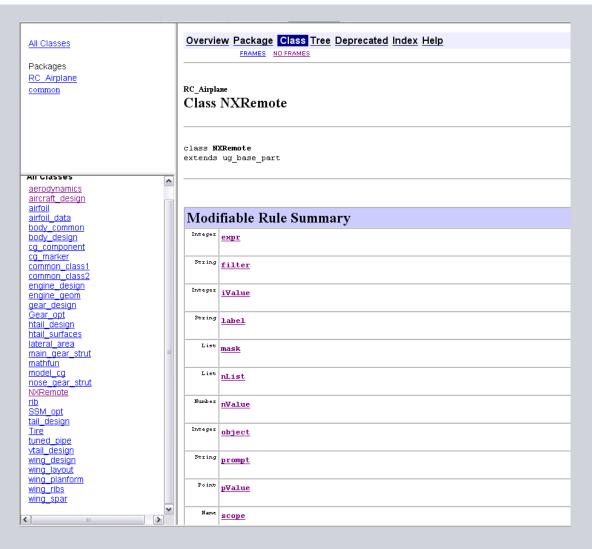


Point pValue



ICE Automatic Document Generation

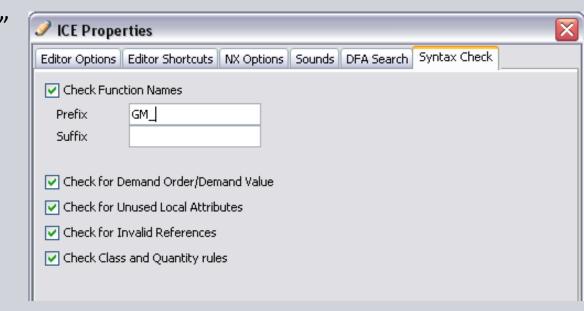
Demo Document Generation





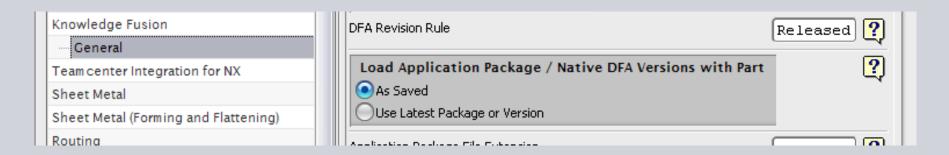
ICE Coding Checker

- ICE can now proactively "watch" code and give useful feedback about common KF coding problems like:
- -demand order, demand value
- -Invalid references
- -unused attributes
- -Class and Quantity
- -Enterprise naming conventions for Functions





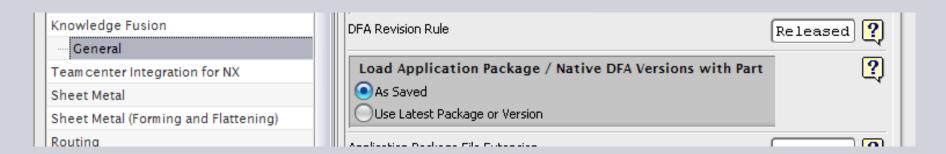
KF Application and DFA Versioning



- Based on application package suffix and #! Version
- Parts can be opened "As Saved" or can be upgraded to "Latest Package or Version" on load (Customer defaults)
- Latest DFA or Application Package is available for instantiation



KF Application and DFA Versioning



Demo of DFA Versioning



Deprecation

@Deprecated tag introduced (Attributes, methods and functions can be deprecated)

```
#++
# @Deprecated Seating_Capacity
# Not a useful parameter anymore.
# More of the comment
#-
(Parameter Integer) Seating_Capacity: 4;
```

Proper Documentation Generated

```
Parameter Summary

Integer Seating Capacity
Deprecated: Not a useful parameter anymore

Wumber VTailMAC25
Distance to the 25% mean aerodyanmic chord point of the vertical tail
```

ICE shows the Deprecated information in the table view as red entries

- 🙉 ZeroAngleIn		Number	Мо	0.0;
🙉 SpeedFactor		Number	Мо	1.0;
🕮 Seating_Capacit	у	Integer	Р	4;
:(x) set_sheet_numb	er	Boolean	Me	(Integer \$sheet_no) @{ true;
ReynoldsNumbe	r	Number		AvgWingChord: * Speed: * KF

© 2008. Siemens Product Lifecycle Management Software Inc. All rights reserve



Thank you...

Palwinder Singh <u>Palwinder.Singh@siemens.com</u>

Raymond Kok <u>Raymond.Kok@siemens.com</u>